

TI [Preservation of hematopoietic stem cells by slow freezing and elimination of the heat of fusion].
 Conservation de cellules souches hematopoietiques par congelation lente et elimination de la chaleur de fusion.

AU Gorin N C; Duhamel G

SO Comptes rendus hebdomadaires des seances de l'Academie des sciences. Serie D: Sciences naturelles, (1978 Feb 20) Vol. 286, No. 7, pp. 547-50.
 Journal code: 7501107. ISSN: 0567-655X.

CY France

DT Journal; Article; (JOURNAL ARTICLE)

LA French

FS Priority Journals

EM 197808

ED Entered STN: 14 Mar 1990
 Last Updated on STN: 14 Mar 1990
 Entered Medline: 28 Aug 1978

AB Previous experiments, in dogs with fresh bone marrow or bone marrow frozen with a modified freezing system have demonstrated a 100% recovery of frozen stem cells, stored for periods up to 5 months. Five patients, three with drug resistant acute leukemia and two with metastatic carcinomas, have been treated with a high dose combination chemotherapy regimen (TACC) followed by reinfusion of marrow cryopreserved with the same modified freezing system. Following the reinfusion of marrow, autologous engraftment was demonstrated on bone marrow aspiration between days 5 and 10.

CT Check Tags: Female; Male
 Adult
 Animals
 Bone Marrow Cells
 Bone Marrow Transplantation
 Dogs
 Drug Therapy, Combination
 English Abstract
Freezing
***Hematopoietic Stem Cells: CY, cytology**
 Humans
Leukemia: TH, therapy
 Middle Aged
Neoplasm Metastasis
 Time Factors
***Tissue Preservation**

=> d his

(FILE 'HOME' ENTERED AT 14:55:17 ON 07 DEC 2006)
 SET COST OFF

FILE 'HCAPLUS' ENTERED AT 14:55:27 ON 07 DEC 2006

L1 3 S US20040151706/PN OR (US2004-763197# OR US2003-442506#)/AP, PRN
 E SHAKHOV/AU

L2 256 S E4-E19
 E KOGON/AU

L3 6 S E4-E7

L4 1 S L1 AND L2, L3

L5 0 S L2 AND L3 NOT L4

L6 261 S L2, L3

L7 1 S L6 AND STEM CELL

L8 0 S L6 AND ?PURG?

L9 1 S L6 AND ?INFUS?
 L10 1 S L4,L7,L9

FILE 'MEDLINE' ENTERED AT 15:02:06 ON 07 DEC 2006

E SHAKHOV/AU
 L11 76 S E4-E12
 E KOGON/AU
 L12 19 S E4-E7
 L13 95 S L11,L12

FILE 'BIOSIS' ENTERED AT 15:03:59 ON 07 DEC 2006

E SHAKHOV/AU
 L14 106 S E4-E11
 E KOGON/AU
 L15 11 S E4-E6
 L16 117 S L14,L15

FILE 'WPIX' ENTERED AT 15:06:34 ON 07 DEC 2006

E SHAKHOV/AU
 L17 111 S E4-E12
 E KOGON/AU
 L18 1 S E4
 L19 111 S L17,L18
 L20 7220 S STEM CELL
 E HAEMAT/BI,ABEX
 L21 58 S E132,E133,E136-E144
 L22 2121 S E145-E154
 E HAEMAT/BI,ABEX
 L23 30 S E32-E34
 E HEMAT/BI,ABEX
 L24 1 S E11
 L25 1 S E167
 L26 3972 S E184-E204
 L27 3519 S E204-E215
 E HEMAT/BI,ABEX
 L28 21 S E31-E34
 L29 10674 S L20-L28
 L30 14404 S (B04-F02 OR C04-F02 OR B04-B04A3 OR C04-B04A3)/MC
 L31 22980 S L29,L30
 L32 635 S L31 AND (B11-B OR C11-B)/MC
 L33 2813 S L31 AND N161/M0,M1,M2,M3,M4,M5,M6
 L34 3161 S L32,L33
 L35 1189 S L31 AND D05-H13/MC
 L36 79 S L35 AND ((B14-A01 OR C14-A01 OR B12-A01 OR C12-A01)/MC OR P22
 L37 133 S L35 AND ((B14-J01? OR C14-J01? OR B12-C10 OR C12-C10)/MC OR A
 L38 13 S L35 AND ((B14-N11 OR C14-N11 OR B12-G06 OR C12-G06)/MC OR P62
 L39 69 S L35 AND ((B14-N12 OR C14-N12 OR B12-G02 OR C12-G02)/MC OR P72
 L40 293 S L35 AND ((B14-H? OR C14-H? OR B12-G07 OR C12-G07)/MC OR (P663
 L41 5 S L35 AND ((B14-M01 OR C14-M01 OR B12-J05 OR C12-J05)/MC OR P64
 L42 419 S L34 AND ((B14-A01 OR C14-A01 OR B12-A01 OR C12-A01)/MC OR P22
 L43 683 S L34 AND ((B14-J01? OR C14-J01? OR B12-C10 OR C12-C10)/MC OR A
 L44 110 S L34 AND ((B14-N11 OR C14-N11 OR B12-G06 OR C12-G06)/MC OR P62
 L45 299 S L34 AND ((B14-N12 OR C14-N12 OR B12-G02 OR C12-G02)/MC OR P72
 L46 1278 S L34 AND ((B14-H? OR C14-H? OR B12-G07 OR C12-G07)/MC OR (P663
 L47 30 S L34 AND ((B14-M01 OR C14-M01 OR B12-J05 OR C12-J05)/MC OR P64
 L48 1833 S L36-L47
 L49 50 S L48 AND (?CRYOPRESERV? OR ?CRYO PRESERV?)
 L50 135 S L48 AND (STORAGE OR STORE? OR STORING)
 L51 172 S L49,L50
 L52 2 S L51 AND (REINFUS? OR RE INFUS?)

L53 10 S L51 AND INFUS?
 L54 10 S L52,L53
 L55 1 S L51 AND (HIP OR PELV?) () BONE
 L56 10 S L51 AND INOCUL?
 L57 7 S L51 AND PURG?
 L58 72 S L51 AND DIAGN?
 L59 6 S L58 AND L52-L57
 L60 24 S L54-L57,L59
 L61 1736 S L48 AND (PY<=2003 OR PRY<=2003 OR AY<=2003)
 L62 23 S L60 AND L61
 L63 1 S L60 NOT L62
 SEL DN AN 1 3 6 14 L62
 L64 4 S L62 AND E1-E9
 L65 137 S L61 AND L51 NOT L52-L57,L59,L60,L62-L64
 SEL DN AN 3 6 9 11 17 18 20 23 28 30 34 50 61 66 95 114 125 136
 L66 18 S L65 AND E10-E48
 L67 23 S L63,L64,L66 AND L17-L66

FILE 'WPIX' ENTERED AT 15:50:00 ON 07 DEC 2006

FILE 'MEDLINE' ENTERED AT 15:50:38 ON 07 DEC 2006

E STEM CELLS/CT
 E E3+ALL
 L68 52309 S E3 OR E32-E34,E49-E50
 L69 40977 S L68 AND PY<=2003
 L70 278 S L69 AND C1./CT
 L71 8428 S L69 AND C4./CT
 L72 226 S L69 AND C6.552./CT
 L73 34 S L69 AND C19.874./CT
 L74 669 S L69 AND C10.228./CT
 L75 1254 S L69 AND RADIATION+NT/CT
 L76 86 S L69 AND CHEMICAL?(L)EXPOS?
 L77 0 S L69 AND CHEMICAL?(L)POISON?
 L78 49 S L69 AND POISONING+NT/CT
 L79 10466 S L70-L78
 L80 196 S L79 AND CRYOPRESERV?
 E CRYOPRESERVATION/CT
 E E3+ALL
 L81 98 S L79 AND E25+NT
 L82 197 S L80,L81
 L83 28 S L82 AND PURG?
 E FREEZING/CT
 E E3+ALL
 L84 40 S L79 AND E16
 L85 38 S L84 NOT L83
 L86 0 S L85 AND PURG?
 SEL DN AN L85 2 19 23 24 26 31
 L87 32 S L85 NOT E1-E12
 L88 143 S L82 NOT L83-L87
 L89 15 S L88 NOT AB/FA
 L90 128 S L88 NOT L89
 L91 50 S L90 AND ?INFUS?
 SEL DN AN 19 37
 L92 2 S L91 AND E13-E16
 L93 11 S L87 NOT AB/FA
 L94 21 S L87 NOT L93
 L95 23 S L92,L94
 L96 78 S L80,L84 NOT L83,L85-L87,L89,L91-L95
 E PASSIVE/CT
 E E33+ALL

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      E E2+ALL
      E E65+ALL
L97    6975 S E42+NT
L98    49 S L97 AND L79
L99    1 S L98 AND L82-L96
L100   24 S L95,L99
L101   48 S L98 NOT L100
L102   4 S L101 AND PURG?
L103   44 S L101 NOT L102
L104   41 S L103 NOT CELL SEPARATION/CT
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FILE 'MEDLINE' ENTERED AT 16:15:01 ON 07 DEC 2006

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